

TSC ALERT

March 2008



FUNDING OPPORTUNITIES

FEDERAL FUNDING AGENCIES

Department of Defense

Department of Defense Tuberous Sclerosis Complex Research Program (TSCR)

The Fiscal Year 2008 (FY08) Defense Appropriations Act provides \$4 million to the Department of Defense TSCR to support the best medical research on TSC. The program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP). The specifics for the program grant mechanisms can be found at: <http://cdmrp.army.mil/funding/tscrp.htm>

Department of Defense Peer Reviewed Medical Research Program (PRMRP)

The Fiscal Year 2008 (FY08) Defense Appropriations Act provides \$50 million to the Department of Defense Peer Reviewed Medical Research Program (PRMRP) to support the best medical research to protect and support military personnel and their beneficiaries and to eradicate diseases that impact these populations. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP). The specifics of the application are given at <http://cdmrp.army.mil/pubs/press/2008/08prmrppreann.htm>

FY08 PRMRP Supplements to the Broad Agency Announcement (BAA) will be released by April 2008 for the various award mechanisms. Proposed research must be focused in one of the following 21 Congressionally directed topic areas: Alcoholism Research, Amyotrophic Lateral Sclerosis, Blood Cancer, Drug Abuse, Epilepsy Research, Eye and Vision Research, Integrated Tissue Hypoxia Research, Interstitial Cystitis, Inflammatory Bowel Disease, Leishmaniasis, Lupus, Kidney Cancer, Mesothelioma, Multiple Sclerosis, Nutrition and Health Promotion, Paget's Disease, Polycystic Kidney Disease, Pulmonary Hypertension, Scleroderma, Social Work Research, Tinnitus.

Please note that all CDMRP award mechanisms require the submission of a pre-application in accordance with the application instructions for that solicitation and that all subsequent proposal submissions are made through <http://www.grants.gov/>.

National Institutes of Health

Molecular Phenotypes for Lung Diseases (R01) (RFA-HL-08-006)

National Heart, Lung, and Blood Institute

Application Receipt Date(s): May 05, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-08-006.html>

Small Grants for Lung Tissue Research (R03) (RFA-HL-08-008)

National Heart, Lung, and Blood Institute

Application Receipt Date(s): October 17, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-08-008.html>

Centers of Excellence in Genomics Science (CEGS) (P50) (PAR-08-094)

National Human Genome Research Institute

National Institute of Mental Health

Application Receipt/Submission Date(s): May 25, 2008; May 25, 2009; May 25, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-094.html>

Limited Competition for Data Deposition and Analyses of Genome Wide Association Studies of Mental Disorders (R01) (RFA-MH-08-120)

National Institute of Mental Health

Application Receipt Date(s): April 30, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-08-120.html>

Limited Competition for Data Deposition and Analyses of Genome Wide Association Studies of Mental Disorders (Collaborative R01) (RFA-MH-08-121)

National Institute of Mental Health

Application Receipt Date(s): April 30, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-08-121.html>

CAM Practitioner Research Education Project Grant Partnership Competitive Renewal (R25) (PAR-08-095)

National Center for Complementary and Alternative Medicine

Application Receipt/Submission Date(s): Multiple dates, see announcement.

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-095.html>

Extramural Associates Research Development Award (EARDA) (G11) (PAR-08-096)

National Institute of Child Health and Human Development

Application Receipt/Submission Date(s): April 25, 2008; February 24, 2009; February 24, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-096.html>

Pre-Application Meeting for RFA-OD-08-001 and RFA-OD-08-002, Rare Diseases Clinical Research Network (NOT-OD-08-042)

National Institutes of Health

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-042.html>

National Cancer Institute (NCI) Initiatives for Support of Basic and Translational Tumor Stem Cell Research (NOT-CA-08-010)

National Cancer Institute

<http://grants.nih.gov/grants/guide/notice-files/NOT-CA-08-010.html>

Administrative Supplements for Making Knockout Mice (NOT-HG-08-002)

National Human Genome Research Institute

National Cancer Institute

National Heart, Lung, and Blood Institute

National Institute on Alcohol Abuse and Alcoholism

National Institute of Arthritis and Musculoskeletal and Skin Diseases

National Institute of Child Health and Human Development

National Institute on Deafness and Other Communication Disorders

National Institute of Dental and Craniofacial Research

National Institute of General Medical Sciences

National Institute of Mental Health

<http://grants.nih.gov/grants/guide/notice-files/NOT-HG-08-002.html>

Molecular Phenotypes for Lung Diseases (R01) (RFA-HL-08-006)

National Heart, Lung, and Blood Institute

Application Receipt Date(s): May 05, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-08-006.html>

Small Grants for Lung Tissue Research (R03) (RFA-HL-08-008)

National Heart, Lung, and Blood Institute

Application Receipt Date(s): October 17, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-08-008.html>

Centers of Excellence in Genomics Science (CEGS) (P50) (PAR-08-094)

National Human Genome Research Institute

National Institute of Mental Health

Application Receipt/Submission Date(s): May 25, 2008; May 25, 2009; May 25, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-094.html>

TSC PUBLICATIONS

Bakare MO, Ikegwonu NN (2008) Childhood autism in a 13 year old boy with oculocutaneous albinism: a case report. J Med Case Reports 2(1):56 [Epub ahead of print]

<http://www.jmedicalcasereports.com/content/pdf/1752-1947-2-56.pdf>

Blick C, Ravindranath N, Muneer A, Jones A (2008) Bilateral renal angiomyolipomas with invasion of the renal vein: a case report. ScientificWorldJournal 8:145-8

Chao AS, Chao A, Wang TH, Chang YC, Chang YL, Hsieh CC, Lien R, Su WJ (2008) Outcome of antenatally diagnosed cardiac rhabdomyoma: case series and a meta-analysis. Ultrasound Obstet Gynecol 31(3):289-295 [Epub ahead of print]

Dereure O (2007) [New articles on phacomatoses] Ann Dermatol Venereol 134(11):894 [Article published in French]

Ferzli PG, Millett CR, Newman MD, Heymann WR (2008) The dermatologist's guide to hereditary syndromes with renal tumors. Cutis 81(1):41-8

Glassberg MK, Elliot SJ, Fritz J, Catanuto P, Potier M, Donahue R, Stetler-Stevenson W, Karl M (2008) Activation of the Estrogen Receptor contributes to the Progression of Pulmonary Lymphangiomyomatosis via MMP-induced Cell Invasiveness. J Clin Endocrinol Metab 2008 Feb 19 [Epub ahead of print] <http://jcem.endojournals.org/cgi/rapidpdf/jc.2007-1283v1>

Guevara N, Lassalle S, Castillo L, Butori C, Santini J (2008) [Angiomyolipoma of the parotid gland.] Ann Otolaryngol Chir Cervicofac 2008 Feb 14 [Epub ahead of print] [Article published in French]

Han S, Witt RM, Santos TM, Polizzano C, Sabatini BL, Ramesh V (2008) Pam (Protein associated with Myc) functions as an E3 Ubiquitin ligase and regulates TSC/mTOR signaling. Cell Signal 2008 Feb 1 [Epub ahead of print]

Harvey KF, Mattila J, Sofer A, Bennett FC, Ramsey MR, Ellisen LW, Puig O, Hariharan IK (2008) FOXO-regulated transcription restricts overgrowth of Tsc mutant organs. J Cell Biol 180(4):691-6

Hazebroek EJ, de Rooij PD (2008) A woman with a recurrent spontaneous pneumothorax: lymphangiomyomatosis. Intern Emerg Med 2008 Feb 9 [Epub ahead of print]

- Imoto H, Fujii M, Nomura S, Tanaka N, Kajiwara K, Fujisawa H, Kato S, Akimura T, Suzuki M, Arai N (2008) [Surgical treatment for intractable epilepsy caused by tuberous sclerosis complex with multiple tubers: case report] *No Shinkei Geka* 36(2):155-8 [Article published in Japanese]
- Johnson SR (2007) Management of rare diseases in respiratory medicine. *Clin Med* 7(5):447-8
- Kothur K, Ray M, Malhi P (2008) Correlation of autism with temporal tubers in tuberous sclerosis complex. *Neurol India* 56(1):74-6
- Li S, Takeuchi F, Wang JA, Fan Q, Komurasaki T, Billings EM, Pacheco-Rodriguez G, Moss J, Darling TN (2008) Mesenchymal-epithelial interactions involving epiregulin in tuberous sclerosis complex hamartomas. *Proc Natl Acad Sci U S A* 2008 Feb 21 [Epub ahead of print]
- Lian J, Yan XH, Peng J, Jiang SW (2008) The mammalian target of rapamycin pathway and its role in molecular nutrition regulation. *Mol Nutr Food Res* 2008 Feb 28 [Epub ahead of print]
- Liegl B, Hornick JL, Fletcher CD (2008) Primary Cutaneous PEComa: Distinctive Clear Cell Lesions of Skin. *Am J Surg Pathol* 2008 Feb 14 [Epub ahead of print]
- Makino Y, Shimanuki Y, Fujiwara N, Morio Y, Sato K, Yoshimoto J, Gunji Y, Suzuki T, Sasaki S, Iwase A, Kawasaki S, Takahashi K, Seyama K (2008) Peritoneovenous shunting for intractable chylous ascites complicated with lymphangioliomyomatosis. *Intern Med* 47(4):281-5 [Epub 2008 Feb 15] http://www.jstage.jst.go.jp/article/internalmedicine/47/4/47_281/article
- Martinez Barcina MJ, Quintan Schwieters C, Bonnin SÁinchez D, Alberola Bou JM (2008) [Intratatumoral pseudoaneurysm: atypical radiologic manifestation of bleeding from an angiomyolipoma.] *Radiologia* 50(1):79-81 [Article published in Spanish]
- McCormack FX (2008) Lymphangioliomyomatosis: a clinical update. *Chest* 133(2):507-16
- Metzdorf MM, Schmidt JD (2008) Urinary Bladder Leiomyoma Associated with Pulmonary Lymphangioliomyomatosis. *Urology* 2008 Feb 28 [Epub ahead of print]
- Mohan P, Raghavan K, Sagili H (2008) Wolff-Parkinson-White syndrome in association with tuberous sclerosis. *N Z Med J* 121(1269):71-74
- Nellist M, Sancak O, Goedbloed M, Adriaans A, Wessels M, Maat-Kievit A, Baars M, Dommering C, van den Ouweland A, Halley D (2008) Functional characterisation of the TSC1-TSC2 complex to assess multiple TSC2 variants identified in single families affected by tuberous sclerosis complex. *BMC Med Genet* 9(1):10 [Epub ahead of print] <http://www.biomedcentral.com/1471-2350/9/10>
- Rosner M, Hanneder M, Siegel N, Valli A, Hengstschlager M (2008) The tuberous sclerosis gene products hamartin and tuberin are multifunctional proteins with a wide spectrum of interacting partners. *Mutat Res* 2008 Jan 12 [Epub ahead of print]
- Saito M, Yuasa T, Satoh S, Nanjo H, Tsuchiya N, Habuchi T (2008) Developing multiple lung nodules in a renal transplant recipient with tuberous sclerosis who had undergone bilateral nephrectomy due to renal cell carcinomas. *Int J Urol* 15(3):257-8
- Sanchez-Diaz A, Morales-Peydro C, Madrigal-Bajo I (2006) [Autosomal dominant mental retardation] *Rev Neurol* 42 Suppl 1:S33-7 [Article published in Spanish]
- Sandrini A, Krishnan A, Yates DH (2008) S-LAM in a man: the first case report. *Am J Respir Crit Care Med* 177(3):356; author reply 357

Scrima A, Thomas C, Deaconescu D, Wittinghofer A (2008) The Rap-RapGAP complex: GTP hydrolysis without catalytic glutamine and arginine residues. *EMBO J* 2008 Feb 28 [Epub ahead of print] <http://www.nature.com/emboj/journal/vaop/ncurrent/pdf/emboj200830a.pdf>

Searles Nielsen S, Mueller BA, Preston-Martin S, Holly EA, Little J, Bracci PM, McCredie M, Peris-Bonet R, Cordier S, Filippini G, Lubin F (2008) Family cancer history and risk of brain tumors in children: results of the SEARCH international brain tumor study. *Cancer Causes Control* 2008 Feb 16 [Epub ahead of print]

Susini L, Besse S, Duflaut D, Lespagnol A, Beekman C, Fiucci G, Atkinson AR, Busso D, Poussin P, Marine JC, Martinou JC, Cavarelli J, Moras D, Amson R, Telerman A (2008) TCTP protects from apoptotic cell death by antagonizing bax function. *Cell Death Differ* 2008 Feb 15 [Epub ahead of print]

Suzuki T, Das SK, Inoue H, Kazami M, Hino O, Kobayashi T, Yeung RS, Kobayashi K, Tadokoro T, Yamamoto Y (2008) Tuberous sclerosis complex 2 loss-of-function mutation regulates reactive oxygen species production through Rac1 activation. *Biochem Biophys Res Commun* 368(1):132-7 [Epub 2008 Jan 28]

Taniguchi Y, Haruki T, Fujioka S, Adachi Y, Miwa K, Nakamura H (2008) Pulmonary lymphangiomyomatosis with concomitant tuberous sclerosis complex diagnosed by video-assisted thoracoscopic surgery. *Gen Thorac Cardiovasc Surg* 56(2):81-4 [Epub 2008 Feb 24]

Vojtechová M, Turecková J, Kucerová D, Sloncová E, Vachtenheim J, Tuhácková Z (2008) Regulation of mTORC1 Signaling by Src Kinase Activity Is Akt1-Independent in RSV-Transformed Cells. *Neoplasia* 10(2):99-107
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?tool=pubmed&pubmedid=18283331>

Wang ML, Panasyuk G, Gwalter J, Nemazanyy I, Fenton T, Filonenko V, Gout I (2008) Regulation of ribosomal protein S6 kinases by ubiquitination. *Biochem Biophys Res Commun* 2008 Feb 14 [Epub ahead of print]

Warth A, Herpel E, Schmahl A, Hoffmann H, Herth FJ, Schirmacher P, Dienemann H, Schnabel PA (2008) Mediastinal angiomyolipomas in a male patient affected by tuberous sclerosis. *Eur Respir J* 31(3):678-80

Weiss HR, Liu X, Chi OZ (2008) Cerebral O(2) consumption in young Eker rats, effects of GABA blockade: implications for autism. *Int J Dev Neurosci* 2008 Jan 12 [Epub ahead of print]

Williams TR, Oakes MF (2008) Metastatic breast carcinoma to renal angiomyolipomas in tuberous sclerosis. *Urology* 71(2):352.e5-7

Yudcovitch LB, Lahiff JM, Ochiltree AJ (2008) Astrocytic hamartoma: a case report. *Clin Exp Optom* 91(2):187-92

Zheng L, Ding H, Lu Z, Li Y, Pan Y, Ning T, Ke Y (2008) E3 ubiquitin ligase E6AP-mediated TSC2 turnover in the presence and absence of HPV16 E6. *Genes Cells* 13(3):285-94

CONFERENCES, WORKSHOPS, SEMINARS

May 15-17, 2008

Conference on Diagnosis and Treatment in Pediatric Neurology

Warsaw, Poland

For more information: www.neuroped2008.pl

May 20-22, 2008

4th International Conference on Rare Diseases and Orphan Drugs (ICORD)

Global Approaches for Rare Diseases Research and Orphan Products Development
Washington, DC

For more information: <http://www.icord.cc>

June 12-17, 2008

The World Cancer Congress 2008: From Basic Research to Therapeutics

Shanghai & Hangzhou, China

For more information: <http://www.bitlifesciences.com/cancer2008/>

June 22-25, 2008

1st International Epilepsy Colloquium on the Mesial Temporal Lobe Epilepsies

Marburg, Germany

This colloquium is part of a series to be continued in Lyon, France in 2009 and Cleveland, Ohio, USA in 2010.

For more information:

AKM Congress Service GmbH

Hauptstr. 18

D-79576 Weil am Rhein

Phone: +49 (7621) 983345

Fax: +49 (7621) 78714

E-mail: laubscher.s@akmcongress.com

www.akmcongress.com

July 12-16, 2008

6th FENS Forum of European Neuroscience

Geneva, Switzerland

More information: forum2008@fens.org

July 27-Aug 1, 2008

PKD Meeting Sponsored by FASEB

Snowmass, CO

For more information: <http://www.faseb.org/meetings/futuremeetings.htm>

August 3-8, 2008

Gordon Conference: Mechanisms of Epilepsy and Neuronal Synchronization

Colby College, Waterville, ME

Application Deadline: Applications for this meeting must be submitted by July 13, 2008

<http://www.grc.org/programs.aspx?year=2008&program=epilepsy>

September 11-13, 2008

TSC International Research Conference 2008

University of Sussex, Brighton, UK

Organized by the Tuberous Sclerosis Association, U.K.

For more information: www.tuberous-sclerosis.org

NEWS

New from the National Institute of Mental Health, National Institutes of Health:

Co-occurring Anxiety Complicates Treatment Response for Those with Major Depression
<http://www.nimh.nih.gov/science-news/2008/co-occurring-anxiety-complicates-treatment-response-for-those-with-major-depression.shtml>

Teens with Treatment-resistant Depression More Likely to Get Better with Switch to Combination Therapy
<http://www.nimh.nih.gov/science-news/2008/teens-with-treatment-resistant-depression-more-likely-to-get-better-with-switch-to-combination-therapy.shtml>

Genetic Tags Reveal Secrets of Memories' Staying Power in Mice
<http://www.nimh.nih.gov/science-news/2008/genetic-tags-reveal-secrets-of-memories-staying-power-in-mice.shtml>

Genetic Variation May Influence Response to Depression Treatment
<http://www.nimh.nih.gov/science-news/2008/genetic-variation-may-influence-response-to-depression-treatment.shtml>

Cold, Unfeeling Traits Linked to Distinctive Brain Patterns in Kids with Severe Conduct Problems
<http://www.nimh.nih.gov/science-news/2008/cold-unfeeling-traits-linked-to-distinctive-brain-patterns-in-kids-with-severe-conduct-problems.shtml>

Scans Reveal Faulty Brain Wiring Caused by Missing Genes
<http://www.nimh.nih.gov/science-news/2008/scans-reveal-faulty-brain-wiring-caused-by-missing-genes.shtml>

NIDA seeks Molecular Biologist to Direct NIDA Program in Molecular Neurobiology: Under Represented Minorities Are Encouraged to Apply. [The DHHS and NIH is an Equal Opportunity Employer] Health Scientist Administrator, GS-601-13/14 NIDA Salary Range: \$82,961.00 - \$127,442.00 USD per year; Location: Rockville, MD 20892

Open Period: Thursday, February 14, 2008 to Sunday, March 23, 2008

Job Announcements: NIDA-08-246264-MP and NIDA-08-246264-DE

Major Duties: The incumbent serves as a Health Scientist Administrator responsible for the independent design, development, and implementation of a national grant and contract program focusing on studies to investigate the molecular genetic basis of addiction vulnerability, the fundamental cellular mechanisms that underlie addiction and the response to drugs of abuse. The incumbent will make independent judgments about important areas of research, take initiative and responsibility to identify areas requiring special emphasis, design appropriate approaches, identify resources, determine goals, and evaluate the progress of such research. The incumbent identifies scientists necessary for the development of research strategies appropriate to the analysis of high priority problems and encourages the submission of research applications of high quality. Duties also include determining the need for national and international meetings, conferences, workshops, or technical reviews to be supported by NIDA or other organizations; assisting applicants and grantees by providing substantive information about relevant NIDA programs and grant mechanisms, assisting in them in the application and submission phases, providing practical and helpful advice and guidance that reflects a clear understanding of technical issues, the state of the current knowledge in the field, and program priorities.

For more information and to apply see attachments or contact: <http://www.usajobs.gov/> or Maryann Postorino

Human Resources Specialist (Team Lead)
NIH, OHR, Client Services Division
Branch F (NIDA, NIAAA, NIEHS)

2115 East Jefferson Street, Room 2A-205
301-594-2307
301-451-5688 FAX
mpostori@mail.nih.gov

TSC CLINICAL TRIALS

TSC Clinical Trials: A complete list of clinical trials that are currently enrolling study participants can be viewed on the TS Alliance web site at:

<http://tsalliance.easycgi.com/pages.aspx?content=370>

INFORMATION ABOUT TSC

For information about TSC and the Tuberous Sclerosis Alliance, visit the TS Alliance Web site at: <http://www.tsalliance.org> or contact the TS Alliance at info@tsalliance.org or by telephone: 1-800-225-6872 or 301-562-9890.

This is the March 2008 edition of *TSC Alert* – an online research newsletter for individuals interested in Tuberous Sclerosis Complex (TSC) research and clinical care. This online newsletter contains information of interest to the TSC research and health care community. Please forward this newsletter to colleagues who are interested in TSC. To be added/deleted to/from the mailing list for *TSC Alert* and/or to submit information for the April 2008 *TSC Alert* contact: vwhitemore@tsalliance.org

Archived issues of the TSC Alert can be found at: <http://www.tsalliance.org/pages.aspx?content=25>